

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

H295.9
Ag8
cop. 2

F-D Report No. 4

A directory of

Freeze-Drying:

Food Processors

Equipment Firms

and Others

U. S. DEPT. OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY

JUL 22 1963

C & R-PREP.

April 1963

1. $\mathcal{L}_\mu^{\text{obs}}$ vs $\mathcal{L}_\mu^{\text{pred}}$

$\mathcal{L}_\mu^{\text{obs}}$ vs $\mathcal{L}_\mu^{\text{pred}}$

FREEZE-DRY PROCESSORS, EQUIPMENT MANUFACTURERS, AND
OTHER FIRMS INVOLVED IN FREEZE-DRYING

Freeze-Dry Food Processors

United States & Canadian Firms

ARMOUR & COMPANY
2701 W. Grant
Bellwood, Illinois
Henry Furgol, Pl. Mgr.
(Processes complete lines of meats,
some fishery products, eggs, some
vegetables, casseroles, and mixes.
Many packaged for campers, some for
retail market.)

CALIFORNIA VEGETABLE CONCENTRATES, INC.
705 Whitmore Avenue
P. O. Box 3210
Modesto, California
(Processes vegetables, fruits, and
meats on a contract basis for ins-
titutional use, processing, and QMC.
Subs. of General Foods.)

CAMPBELL SOUP COMPANY
Camden 1, New Jersey
Albert Shea, Staff Prod. Mgr.
(Processes chicken, beef, mushrooms,
and onions for own brand of dried
soups.)

CANADA FREEZE-DRY FOODS, LTD.
Oakville, Ontario, Canada
J. E. Margison, President
224 Merton Street
Toronto, Ontario, Canada
(Processes meats, vegetables, and
fruits for remanufacture and con-
venience foods. Also processes on
a custom basis and contract basis for
institutional use and field rations.)

FREEZ-DRI PRODUCTS COMPANY
c/o National Ice & Cold Storage
Watsonville, California
S. Castorina, President
P. O. Box 43006, La Tijera Station
Los Angeles 43, California
(Processes complete line of freeze-
dry foods on a custom basis.)

FREEZE-DRY PRODUCTS, INC.
301 N.W. 8th Street
Evansville, Indiana
Ross Carey, Vice President & Pl. Mgr.
William Fleig, President
(Processes meats and vegetables on a
custom basis. Also does contract
work for QMC and private companies.)

MAXWELL HOUSE DIVISION OF GENERAL FOODS
1125 Hudson Street
Hoboken, New Jersey
(Processes instant coffee for use in
own blend.)

PAUL A. MARIANI COMPANY
10930 N. Highway 9
Cupertino, California
(Processes fruits, on contract basis,
for domestic and export use.)

SLACK BROTHERS, LTD.
Waterloo, Quebec, Canada
Robert Flood, Vice President
(Processes mushrooms.)

This listing of freeze-dry firms was prepared by Kermit Bird, Marketing Economics Division, Economic Research Service, U.S. Department of Agriculture, Washington 25, D. C. So far as is known the list is correct as of April 1963. Additional copies may be obtained by writing to the above address.

Freeze-Dry Food Processors (Continued)

United States & Canadian Firms (Continued)

THOMAS J. LIPTON, INC.
 Albion, New York
 Arthur J. Harriman, Dir. of Research
 Hoboken, New Jersey
 (Processes chicken, meat dices,
 mushrooms for company's own soup
 mixes. Subs. of Unilever.)

UNITED FRUIT & FOOD CORP.
 San Carlos, Texas
 P. O. Box 187
 Edinburg, Texas
 Ronald Warnick, Dir. of Manufacturing
 30 Saint James Street
 Boston, Massachusetts
 (Processes seafoods and chicken
 for institutional uses. Also
 complete line of meats for QMC
 and others on a contract basis.)

WILSON & CO., INC.
 Omaha, Nebraska
 L. R. Siegel, Manager
 Dehydrated Foods Division
 Prudential Plaza
 Chicago 1, Illinois
 (Manufactures complete line of
 ground and diced meats, poultry,
 shrimp, and some prepared dishes.
 Marketed under own name. Also
 processes for QMC and others on a
 contract and custom basis.)

Firms Located Abroad

A/B VAIO (Unilever Affiliate)
 Halmstad, Sweden
 (Freeze-dried meat and vegetables
 for soups.)

AERATED FOODS, LTD.
 41 Saint Mary Avenue
 London, E.C. 3
 Lt. Col. G.E.C. Dier, M.C., Dir.
 Walton Works: 149
 Heisham Road
 Walton-on-Thames
 Surry, England
 (Freeze-dried tea)

AFICO (Maggi G.m.b.H., subsidiary)
 Singen, W. Germany
 (Processes meat pieces and vegetables
 for dried soups.)

BLA BAND PRODUKTER AB
 Stålverksgatan, Postbox 240
 Halmstad, Sweden
 Gunnar Holmen, Manager
 (Processes chicken, meats, and
 vegetables.)

BROOK BOND, LTD.
 Cannon Street
 London E.C. 4, England
 (Processes coffee extract.)

DAHLHOFF & KING (N.Z.), LTD.
 Invercargill, New Zealand
 J. N. Dahlhoff
 G. P. O. 3040
 Wellington, New Zealand
 (Processes meat products.)

FRUTAS SOLUVEIS FRUSOL S/A
 Campinas
 Sao Paulo, Brazil
 (No detailed information.)

Freeze-Dry Food Processors (Continued)

Firms Located Abroad (Continued)

H. HARTOGS' FABRIKEN N.V.
Oss, Netherlands
(a Unilever Affiliate)
(Processes chicken and mushrooms
for soup mixes, and vegetables.)

IRISH SUGAR CO., LTD.
Mallow, Eire
J. Ginnell, Dir. of Food Processing
7 Clare Street
Dublin, Eire
(Processes meats, vegetables, fruits,
and seafoods.)

JAPAN INSTANT FOOD CORP.
Osaka, Japan
(No detailed information)

J. LYONS, LTD.
London W. 14, England
Also Cadby Hall
London W.2 England
(Processes fruits, vegetables, and
dairy products.)

KNORR FOOD PRODUCTS
(Subs. of Corn Products, Inc. of
Argo, Illinois, P. O. Box 345 c)
Leutschenbach, Strasse 46
Zurick 11, Switzerland
(Processes meats and vegetables for
own soup mixes sold in Europe.)

LIEBIG'S EXTRACT OF MEAT CO., LTD.
Sligo, Eire
(Processes scampis, fish, and
vegetables for institutional and
retail trade.)

LUCAS AARDENBURG, N.V.
Hoogeveen, Netherlands
(Processes vegetables)

NESTLE' (Maggi)
Case Postale 13
Uevey, Switzerland
(Processes meat pieces and vegetables
for dried soup mixes.)

N.V. PRESERVENBEDRIJF
P. O. Box 207
Breda, Holland
(Processes vegetables and fruits,
poultry, beef, and veal.)
Managers name: D.A. d'arnoud Gerkens

OBIPEKTIN A/G
Dischofszell, Switzerland
(Division of United Fruit)
Dr. Ing W. Pilnik, Director
(Manufactures fruit crystals.)

ROYAL HOLLANDIA MILK & FOOD COMPANY
Vlaardingen, Netherlands
(Processes complete range of foods.)

SITBA
Auxonne, France
(Maggi Affiliate)
(Processes freeze-dried meat and
vegetables for soup mixes.)

Freeze-Dry Food Processors (Continued)

Firms Located Abroad (Continued)

TECHNOPROMIMPORT
Moscow, U.S.S.R.
(No detailed information.)

UNILEVER, LTD.
Unilever House
P. O. Box 760
Rotterdam, Netherlands
(Processes chicken for dried soups.)

Freeze-Dry Equipment Manufacturers

United States & Canadian Firms

BETHLEHEM FOUNDRY & MACHINE COMPANY
 225 W. 2nd Street
 Bethlehem, Pennsylvania
 William L. Root, 3rd, Manager of
 Vacuum Freeze-Dry Division
 (Design, manufacture, and install
 complete line of sublimators.)

CHEMET ENGINEERS, INC.
 2560 E. Foothills Blvd.
 Pasadena, California
 C. N. Sjorgren, President
 (Design, manufacture, and install
 complete line of food sublimators,
 plus associated food handling
 facilities.)

DEL-VAC ENGINEERING
 461 N. Eucalyptus Avenue
 P. O. Box 722
 Inglewood, California
 John E. Blaine, Jr., President
 (Design, manufacture, and install
 sublimators.)

F. J. STOKES CORP.
 5500 Tabor Road
 Philadelphia 20, Pennsylvania
 John Maguire, Manager of Food
 Equipment Processing Division
 (Design, manufacture, and install
 complete line of sublimators
 and associated equipment.)

FMC CORP.
 Box 1120
 333 W. Julian Street
 San Jose 8, California
 Ben L. Manfree, Appl. Eng.
 Central Engineering Laboratory
 P. O. Box 580
 Santa Clara, California
 (Design, manufacture, and install
 complete line of sublimators.)

FREEZ-DRINAMICS SYSTEMS, INC.
 6920 Melrose
 Los Angeles 38, California
 William R. Ulrich, President
 (Design, manufacture, and install
 custom built sublimators. These
 available for sale or lease.)

FREEZE-DRY PRODUCTS, LTD.
 224 Merton Street
 Toronto 7, Ontario, Canada
 J. E. Margison, President
 (Design, manufacture, and install
 custom sublimators for food, biological,
 and pharmaceutical uses.)

J. P. DEVINE MANUFACTURING COMPANY
 49th Street & A.V.R.R.
 Pittsburgh, Pennsylvania
 G. R. Cox
 (Design, manufacture, and install
 custom sublimators. Special units
 to purchaser specification.)

Freeze-Dry Equipment Manufacturers (Continued)

United States & Canadian Firms (Continued)

NRC EQUIPMENT CORP.
160 Charlemont Street
Newton 61, Massachusetts
Orvis M. Knarr, Sales Manager
(Manufacturing sublimators and U.S.
agents for complete line of Atlas
models.)

VACUDYNE CORP.
375 E. Joe Orr Road
Chicago Heights, Illinois
Fred Lindstrom, Vice President
(Design, manufacture, and install
complete line of sublimators.)

Firms Located Abroad

A/S ATLAS
Baldersgade 3
Copenhagen, Denmark
O. Begtrup-Hansen
(Design, manufacture, and install
complete line of sublimators.)
Represented in U.S. by NRC Equipment
Company.

COMPAGNIE FRANCAISE THOMSON-HOUSTON
Paris, France
(Design and manufacture complete
line of sublimators.)

C O G E R, S.p.A., MACCHINE E METALLI
4, Via Santa Margherita
Milano, Italy
Giuseppe G. Pasque, President
(Design, manufacture, and install
vacuum equipment.)

EDWARDS HIGH VACUUM, LTD.
Manor Royal, Crawley
Sussex, England
T.W.G. Rowe, Head, Research Division
(Design, manufacture, and install
sublimators for biological preparations
and food. Also manufactures high
vacuum pumps and compressors, gauges,
switches, and other accessories.)

EDWARDS ALTO VUOTO S.p.A.
Via Gallanate N 217
Milan, Italy
Dr. P.M. della Porta, Director
(Design, manufacture, and install
pilot plant and custom built sublimators.
Owned by Edwards High Vacuum Ltd.)

JAPAN VACUUM ENGINEERING CO., LTD.
Nippon Seimei Ginza Bldg.
5, 1-Chome, Cinza-Nichi, Chuo-Ku
Tokyo, Japan
Factories at Yokohama and Amagasaki
(Design, manufacture, and install own
sublimators. Also handle Vickers-
Armstrong equipment.)

LEYBOLD-ELLIOTT, LTD.
Tunnel Avenue
London S.E. 10, England
J. M. Dingley, Head, Freeze-Drying
Department
(Design, manufacture, install, and
commission Leybold sublimators within
Sterling area of Commonwealth.)

Miscellaneous Group of Freeze-Drying Firms Including Handlers of
 Freeze-Dried Foods, Processors of Nonfood Items, Manufacturers
 of Controls, and Firms Not Yet in Business

AMERICAN STERILIZER COMPANY
 2424 W. 23rd Street
 Erie, Pennsylvania
 James J. Wingenbach, Sales Manager
 (Design and manufacture complete line
 of sublimators.)

BERNARD FOOD INDUSTRIES, INC.
 1208 E. San Antonio Street
 San Jose, California
 Frank S. Bernard, Manager
 (Owns no sublimators. Purchases
 freeze-dried food from other processors
 and sells under own brand to campers.)

BUFLOVAK EQUIPMENT DIVISION OF BLAW-KNOX
 1543 Fillmore Avenue
 P. O. Box 2041
 Buffalo 11, New York

CORP. PICKER INTER-AMERICANA
 White Plains, New York
 G.C. Oswald
 (Distributor of REPP and Virtis
 laboratory sublimators outside of
 United States and Canada.)

COURTLAND LABORATORIES
 5555 Valley Blvd.
 Los Angeles 32, California
 Paul Bogikes, Vice President
 (Pharmaceutical freeze-drying)

ESSEX PACKERS, LTD.
 Brant Street
 Hamilton, Ontario, Canada
 R.R. Furlong, Mgr. of Freeze-Dry
 Operation
 (Not presently operating. Formerly
 processed meats, stews, and vegetables.)

FISHER SCIENTIFIC COMPANY
 203 Fisher Building
 Pittsburgh, Pennsylvania
 (Manufactures controls for sublimators.)

FOOD DEVELOPMENT UNIT
 Unilever Limited
 Greyhope Road
 Aberdeen, Scotland
 (Processes meats, poultry, vegetables,
 and fruits -- for experiments and own
 use.)

THE FOXBORO COMPANY
 924 Neponset Avenue
 Foxboro, Massachusetts
 Wendell S. Young, Engineer
 (Design and manufacture controls for
 freeze-dryers.)

FREEZE-DRIED FOODS DIVISION
 Korody Marine Corp.
 12822 Simms Avenue
 Hawthorne, California
 Paul Korody, President, Terrance Miller,
 Technical Director
 (Plant under construction and expected
 to be in production fall of '63 in
 mushrooms, herbs, vegetables, and
 chicken.)

Freeze-Dry Equipment Manufacturers (Continued)

Firms Located Abroad (Continued)

LEYBOLD-HOCHVAKUUM-ANLAGEN G.m.b.h.

Bonner Strasse 504
Köln-Bayenthal (Cologne)

Post fach 195

Germany

Dr. G. W. Oetjen, Director
(Design, manufacture, and install
complete line of sublimators.)

Represented in U.S. by Dresser Vacuum
Company, Division of Dresser Industries,
1915 N. Harlem, Chicago, Illinois.

MITCHELL ENGINEERING COMPANY, LTD.

Tavistock House, North
Tavistock Square

London, W.C.1, England

Comm. E.A. Woodward and P.B. Mason

Also Peterborough, Lincolnshire,
England

(General engineering. Design, manu-
facture, and install sublimators for
coffee extract and portable use.)

VICKERS-ARMSTRONG, LTD.

P. O. Box 8, So. Marsden Works

Swindon, Wilts, England

S.E.H. Lefever, Prod. Mgr.

R.T. Cox, Sales Coordinator

(Design, manufacture, and install
complete line of sublimators.)

Miscellaneous Group of Freeze-Drying Firms Including Handlers of
 Freeze-Dried Foods, Processors of Nonfood Items, Manufacturers
 of Controls, and Firms Not Yet in Business (Continued)

HULL CORP.
 Hatboro, Pennsylvania
 Joseph Hull, President
 J. H. Leary, Sales Manager
 (Design, manufacture, and install
 custom vacuum equipment.)

KRAFT FOODS DIVISION OF NATIONAL
 DAIRY PRODUCTS CORP.
 99 Park Avenue
 New York 16, New York
 Fred Huneke, Head of Institutional
 Products
 (Distributes United Fruit and Food
 Products.)

M & R DIETETIC FOODS
 625 Cleveland Avenue
 Columbus 16, Ohio
 (Freeze-dried mothers' milk)

PILLSBURY MILLS, INC.
 311 Second Street, S.E.
 Minneapolis 14, Minnesota
 R. Shaw, Manager
 (Liquid heat freeze-drying.)

PUCCINELLI PACKING COMPANY, INC.
 P. O. Box 430
 Turlock, California
 Edward L. Fanucchi, Sales Manager
 (Does not own sublimators. Contracts
 drying of vegetables, pieces, and
 powders. Distributes in Europe.)

REPP INDUSTRIES
 Route 208
 Gardiner, New York
 T.N. Thompson, Adm. Ass't.
 (Design and manufacture pharmaceutical
 and laboratory sublimators.)

S A T F A
 (Freeze-drying processor located in
 northern Italy, but no further
 information available.)

SCIENTIFIC MENU FOOD PREP., INC.
 1832 Johnston Street
 Los Angeles 31, California
 Affiliated with Riverside Poultry Co.,
 a subsidiary of Ralston-Purina Co.
 Sal Castorina, President
 (On a custom basis -- prepares, cooks,
 freezes, freeze-dries, and cans
 various foods as a service to food
 processors.)

STAL-LAVAL APPARAT AB
 Linköping, Sweden
 Eric Stenstedt, Manager
 (Manufactures vacuum equipment.)

THE CHUN KING CORP.
 P. O. Box 206,
 5020 Roosevelt Street
 Duluth 1, Minnesota
 Nathan G. Fox, Vice President, Research
 and Quality Control
 (Processing wild rice, fruits, mush-
 rooms, celery, and other materials on
 a pilot plant basis.)

Miscellaneous Group of Freeze-Drying Firms Including Handlers of
Freeze-Dried Foods, Processors of Nonfood Items, Manufacturers
of Controls, and Firms Not Yet in Business (Continued)

VIRTIS COMPANY, INC.
Gardiner, New York
(Design and manufacture laboratory
sublimators.)

VOTATOR DIVISION OF CHEMETRON CORP.
P. O. Box 43
Louisville 1, Kentucky
H.E. Huber, Manager, Sales Division
Weld Conley, Director of Research
(Design and manufacture equipment,
a continuous vacuum belt dryer.)

Other freeze-dry reports that are available include: "Freeze-Drying Progress and Problems," Freeze-dry Report No. 1; "Freeze-Drying Expectations," Freeze-dry Report No. 2; and "Freeze-Dried Poultry," Freeze-dry Report No. 3. These may be obtained by writing to Kermit Bird, Marketing Economics Division, Economic Research Service, U. S. Department of Agriculture, Washington 25, D.C.